

WHAT IS CLAIMED IS:

1. A magnetic head driving circuit comprising:
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 a coil for generating a magnetic field
 corresponding to data to be recorded;
 Q24-27
 a main driving circuit for making a current
 flow in a positive or a negative direction through said
 coil; and
 Q20-23
 a sub-driving circuit for applying a voltage
 symmetrical with respect to the centered coil by
 superposing a pulse voltage corresponding to a change-
 over direction at both terminals of said coil.
2. A magnetic head driving circuit according to
 claim 1, wherein
 resistors are symmetrically connected between
 said coil and said main driving circuit, and said sub-
 driving circuit is connected to a connection node
 between one of said resistors and said coil, and to a
 connection node between the other of said resistors and
 said coil.
3. A magnetic head driving circuit according to
 claim 1, wherein said sub-driving circuit includes at
 least two pairs of circuits, each pair including a
 positive pulse adding circuit and a negative pulse
 adding circuit.
4. A magnetic head driving circuit according to
 claim 1, wherein said sub-driving circuit has a func-
 tion to change a pulse voltage value to be adding to
 said coil in accordance with a current value made to

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flow by said main driving circuit.

5. A magnetic recording apparatus provided with a magnetic head driving circuit, said magnetic head driving circuit comprising:

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magnetic disk for recording data;
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a controller for generating the data to be recorded on said magnetic disk;

a coil for generating a magnetic field corresponding to the data;

a main driving circuit for flowing a current in a positive direction or a negative direction through said coil; and

a sub-driving circuit for applying voltages symmetrical with respect to the centered coil by superposing pulse voltages corresponding to a direction of change-over to both terminals of said coil.

6. A magnetic recording apparatus according to claim 5, wherein a central potential of said coil is substantially equal to a potential of said magnetic disk.
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